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Title

Feasibility and Acceptability of AI Pre-Charting to Improve Physician Workflow in Primary Care Clinics

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Background: Documentation burden and inefficient workflows are major drivers of burnout in primary care. AI-enabled tools such as AvoMD offer scalable solutions, but its role in optimizing healthcare remains understudied and with substantial variability in acceptance & perceived utility by physicians.

Objective: Evaluate the acceptability, feasibility, and perceived impact of AvoMD on physician workflow and documentation burden.

Methods: We conducted a survey-based QI study using pre- and post-implementation questionnaires administered to family medicine physicians. Surveys used branching logic based on feature use (AI pre-charting and hypertension tools). Primary measures included perceived time spent on pre-charting, workflow efficiency, and documentation burden. Secondary measures included usability, satisfaction, usage patterns, and perceived accuracy. Data were de-identified and analyzed descriptively with subgroup comparisons by feature utilization.

Results (Planned): Analyses will quantify changes in perceived workflow efficiency and documentation time and characterize adoption, usability, and satisfaction. We anticipate improved efficiency and reduced documentation burden among active users.

Conclusions and implications: AI-assisted workflow tools may meaningfully reduce documentation burden and improve efficiency in primary care. These findings support broader implementation and future evaluation using objective performance and clinical outcomes.